MODEL OR END ITEM	NEXT ASSY	MODULE OR SER NO.	REQD PER MODULE OR END ITEM
PART NO.		GAEC SCH NO.	
LEM	LDW300-28800	LTA-8(38)	2
		QUAL. TEST(10)	2
		LEM-2(32)	2
	LDW300-28800	LEM-1(31)	2
	LDW300-21800	DMSM	1
		FMES	2
		M.S.C. LAB SEE NOTE 3	1
		LMS-2	2
		LMS-1	2
		CRIT. ENVIR. TEST	2
		M.I.T. LAB SEE NOTE 1	2
LEM	LDW300-21800	LTA-1(11)	2
MODEL OR END ITEM	NEXT ASSY	MODULE OR SER NO.	REQD PER MODULE OR END ITEM
PART NO. LDW300-21809-1		GAEC SCH NO. 34	

MODEL OR END ITEM	NEXT ASSY	MODULE OR SER NO.	REQD PER MODULE OR END ITEM
PART NO. LDW300-21809-3		GAEC SCH NO.	
LEM	LDW300-28800	LEM-6(36)	2
		LEM-5(35)	2
		LEM-4(34)	2
		LEM-3(33)	2
		LTA-1R(14)	2
		FCI (FC)	2
		SCS (70)	2
LEM	LDW300-28800	DMSM	1

5

SH REV STATUS: FOR DESCRIPTION OF REV SEE SUBQ SH									
SHEET	1.00	1.10	2.00	3.00					
REV	A	A	A	A					
SHEET									
REV									
SHEET									
REV									

LAST SECT LTR USED		GRUMMAN REL INFO
LAST DASH NO. USED	-3	PRIM NO. LE(003) 257 MP-A 8-29-6

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.
TOLERANCE UNLESS SPECIFIED
FRACTIONS - DECIMALS - ANGLES
± 1/64 ± .010 ± 1/2°
ORIG DWG AUTH
DETAIL SPEC REQUIREMENT
CLASS II ENGRG CHANGE
CLASS I ENGRG CHANGE

CONTRACT NO. NAS 9-1100 | LINE ITEM 2 | DOCUMENTATION TYPE II

DRAWN BY	J. NOWACK 8-25-65	RELIABILITY	CR 9/16
LAYOUT BY	G. KAMMERER		
CHECKED BY	C. DUERR 8-28-65		
GP LEADER			
STRUCTURES	EB 9/8	PROJ ENGR	9/17
STRUCTURES	9-2-65	REL GROUP	
WEIGHTS	9-4-65		

GRUMMAN AIRCRAFT ENGRG CORP
BETHPAGE, L. I., NEW YORK

HANDLE ASSY STAB. & CONT-TRANSLATION CONT MODE CHANGER

SIZE	CODE IDENT NO.	
B	26512	LDW300-21809 A
SCALE NONE		SHEET 1.000F 4

ENG 77.1 9-64

[redacted] 0 1

NAS 9-1100

REVISIONS FOR CONTINUATION OF REVISIONS SEE SHEET _____

CHANGE LTR	ITEM NO.	SHEET NO.	ZONE	GRUMMAN INFO ONLY	DET SPEC	CLASS I	CLASS II	ENGRG ORDER	DESCRIPTION	EFFECTIVITY	DISPOSITION OF EXISTING PARTS: REWORK	DISPOSITION OF EXISTING PARTS: SCRAP	CHANGED BY AND DATE	ENGRG APPD	QUAL APPD
A	1	1.00, 1.10						EOA 1	SH 1 OF 4 WAS SH 1 OF 3 ADDED SH 1.10. ON -1 ADDED EFF. FOR QUAL TEST, LEM-4,-5,-6, LTA-1R, FCI, SCS, DMSM (340)	LEM-4,-5-6 LTA-1R, FCI, SCS QUALTEST DMSM	NOT	REQD	ESULSENTI 9-1-66		
	2	1, 1.10, 2, 3						E.O. A 2	ADDED -3 ASSY & NOTE 2. DELETED -1 EFF. FOR DMSM (N/ALDW300-28800), SCS, FCI, LTA-1R, LEM-6,-5,-4,-3	DMSM, SCS FCI, LTA-1R LEM-3 THRU-6	✓		FOSTER 9-10-66		
	3	1, 1.10, 3						LE0300-13	FOR -1 IN MOD BLK. ADDED EFF. M.S.C. LAB, SEE NOTE 3	M.S.C. LAB	NOT	REQ'D			
	4	1.10						(R)	FOR -1, IN MOD. BLK (2) OF CRIT ENVIR TEST WAS (3)	NOTED	NOT	REQ'D			

CHG APPROVED	LTR	GROUP LDR	STRUCTURES	STRUCTURES	WEIGHTS	RELIABILITY
	A					

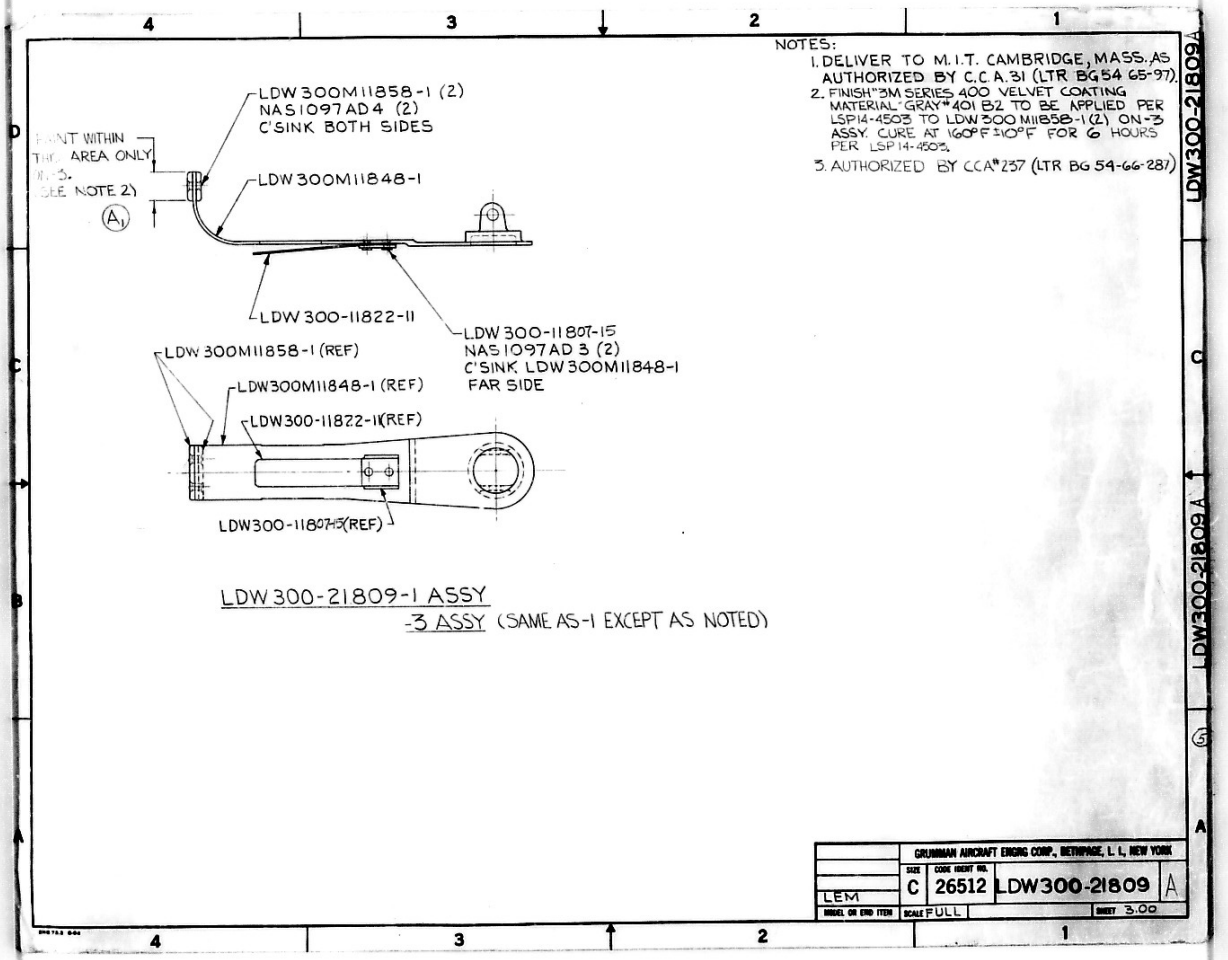
GRUMMAN AIRCRAFT ENGRG CORP., BETHPAGE, L. I., NEW YORK

SIZE	CODE IDENT NO.		
B	26512	LDW300-21809	A

SCALE NONE SHEET 1.10

ENG 77.16 3-66

0 1 NAS 9-1100


4
3
2
1
NOTES:
1. DELIVER TO M.I.T. CAMBRIDGE, MASS. AS AUTHORIZED BY C.C.A. 31 (LTR BG 54 65-97).
2. FINISH "3M SERIES 400 VELVET COATING MATERIAL" GRAY "401 B2 TO BE APPLIED PER LSP14-4503 TO LDW300 M11858-1 (2) ON -3 ASSY. CURE AT 160°F ±10°F FOR 6 HOURS PER LSP14-4503.
3. AUTHORIZED BY CCA "237 (LTR BG 54-66-287)
LDW300-21809A
PAINT WITHIN THIS AREA ONLY ON -3. (SEE NOTE 2)
A1
LDW300M11858-1 (2) NAS1097AD4 (2) C'SINK BOTH SIDES
LDW300M11848-1
LDW300-11822-11
LDW300-11807-15 NAS1097AD3 (2) C'SINK LDW300M11848-1 FAR SIDE
LDW300M11858-1 (REF)
LDW300M11848-1 (REF)
LDW300-11822-11 (REF)
LDW300-11807-15 (REF)
LDW300-21809-1 ASSY
-3 ASSY (SAME AS -1 EXCEPT AS NOTED)
LDW300-21809 A
GRUMMAN AIRCRAFT ENGRG CORP., BETHPAGE, L.I., NEW YORK
LEM
SIZE C
CODE IDENT NO. 26512
LDW300-21809
A
MODEL OR END ITEM
SCALE FULL
SHEET 3.00

01.
NAS 9-1100

QTY PER ASSEMBLY			CODE IDENT	PART NO.	I&T	NOMENCLATURE OR DESCRIPTION	MATERIAL	GOVT SPEC	COML SPEC	STOCK SIZE	PROCESS SYM	FINISH NO.	ZONE
				NAS1097AD4		RIVET	STD PART						
				NAS1097AD3		RIVET	STD PART						
2	2			LDW300M11858-1	E	GRIP	SEE DWG						
1	1			LDW300M11848-1	E	HANDLE	↕						
1	1			LDW300-11822-11	E	SPRING							
1	1			LDW300-11807-15	E	RETAINER	SEE DWG						
												SEE	
				LDW300-21809-3	E	HANDLE ASSY					NONE	NOTE 2	
				LDW300-21809-1	E	HANDLE ASSY					NONE	NONE	
-3	-1												

SYM OR NO.	PROCESS OR FINISH	GRUMMAN SPEC OR MILITARY SPEC	SYM OR NO.	PROCESS OR FINISH	GRUMMAN SPEC OR MILITARY SPEC	SYM OR NO.	PROCESS OR FINISH	GRUMMAN SPEC OR MILITARY SPEC

I&T: IDENTIFICATION AND TRACEABILITY IN ACCORDANCE WITH : NONE

GRUMMAN AIRCRAFT ENGRG CORP, BETHPAGE, L. I., NEW YORK

SIZE	CODE IDENT NO.		
B	26512	LDW300-21809	A

SCALE NONE SHEET 2.00

ENG 77.2 7-65

01

NAS 9-1100

GRUMMAN AIRCRAFT ENGINEERING CORP.
CODE IDENT NO. 26512
ENGINEERING ORDER

ENG 32.2 REV 3-65

DWG. NO.	LEO 300		EO NO. 13
CONTROL INFO NO.	LDW 300-187		

*USE NEXT AVAILABLE NOTE NO.

ADD NOTE * "AUTHORIZED BY CCA #237 (LTR BG 54-66-287)"

ADD TO MODEL BLOCK, FOR DASH NOS. NOTED, THE EFF. AS SHOWN ON THE FOLLOWING DWGS.

LEM	M.S.C. LAB SEE NOTE *	1
MODEL	MODULE OR END ITEM	QTY.

PART NO.	DASH NO.	NEXT ASSY.	CHG. LETTER
LDW300M11889	-1	LDW300-21806	C1
M11890	-1	-21806	B2
M11893	-1	-21800	B1
M11896	-1	-21806	C1
M11897	-1	-21806	C1
M11899	-1	-21806	D1
M11905	-1	-21801	A2
M11906	-1	-21806	A2
M11907	-1	-21806	A1
LDW300M11891	-3	-21804	C1
LDW300P11800	-3	-21806	A2
P11801	-5	-21802	B3
P11802	-1	-21806	C1
P11803	-3	-21806	B2
P11815	-1	-21806	C1
P11816	-1	-21800	B1
LDW300P11819	-1	-21807	B2
LDW300-21802	-11	-21806	E1
-21807	-3	-21806	B2
LDW300-21809	-1	LDW300-21800	A3
LDW300-28805	-1	LDW300-21806	A2

▲-USE APPLICABLE DASH No. IN DESCRIPTION OF EO

DETAIL SPEC REQ | CL I ENGRG CHG | CL II ENGRG CHG

REASON FOR EO: UPDATE EFFECTIVITY PER CCA #237 (LTR BG 54-66-287)

DESCRIPTION OF EO: FOR - ▲ IN MOD. BLK. ADDED EFF. M.S.C.LAB. SEE NOTE *

GAEC EO RELEASE: JAP 7-5-66; BJ 7/13/66; BJT 7-1-66

MODEL	EFFECTIVITY: PROCURING ACTIVITY NO.	GAEC UNIT NO.	SUB CONTR UNIT NO.
LEM	NOTED	ABOVE	

DRAWING CHANGE REQD: REVISE DWG ✓; RECORD EO

DISPOSITION OF PARTS: NOT REQD; REWORK; SCRAP

APPROVED BY: JAP; DATE 6-30-66

SUPPORT | RELIAB. GROUP | GROUP LEADER 6/30/66 | STRESS GROUP 6-30 | LIAISON ENGRG | PROJ ENGRG

PRIORITY: C

DRAWING TITLE: NOTED

DRAWING NO.: LEO 300

EO NO.: 13

ISSUED BY: FRANK PEPE x1671 6/29/66 SECTION: GN&C GROUP NO. 300 PL. 35

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NAS 9-1100

GRUMMAN AIRCRAFT ENGINEERING CORP.
CODE IDENT NO. 26512

ENG 32.2 REV 3-65

ENGINEERING ORDER

DWG. NO. LEO 300		EO NO. 19
CONTROL INFO NO. LEM300-224		

ADD TO MODEL BLOCK, FOR DASH NOS. NOTED, THE EFFECTIVITY AS SHOWN ON THE FOLLOWING DWG'S.

MODEL OR END ITEM	MODULE OR END ITEM	QUAN. REQ'D.
LEM	LEM-15(45)	2
▲	▲ -14(44)	2
	-13(43)	2
	-12(42)	2
	-11(41)	2
	-10(40)	2
	-9(39)	2
	-8(38)	2
LEM	LEM-7(37)	2

PART NO.	DASH NO.	NEXT ASSY.	CHG. NO.
LDW300M11866	-7	LDW300-28806	C3
▲ M11868	-3	▲ -28806	C2
M11869	-3	-28806	C2
M11872	-5	-28801	C2
M11873	-3	-28806	E1
M11874	-1	-28806	C1
M11875	-5	-28806	C2
M11877	-1	-28800	B2
M11880	-5	-28801	B3
M11881	-3	-28806	D1
M11883	-1	-28806	B3
M11885	-3	-28806	C1
M11887	-3	28806	C2
M11888	-1	-P11816	C2
M11889	-1	-28806	C2
M11891	-3	-21804	C2
M11893	-3	-28800	D2
M11896	-1	-28806	C2
M11897	-1	-28806	C2
M11899	-1	-28806	D2
M11905	-1	-28801	A3
M11906	-1	-28806	A3
M11907	-1	-28806	A2
▲ M11908	-3	▲ -28812	A2
LDW300M11909	-1	LDW300-28812	A1

PART NO.	DASH NO.	NEXT ASSY.	CHG. NO.
LDW300P11800	-3	LDW300-28806	D1
▲ P11801	-5	▲ -28802	C1
P11802	-1	-28806	D1
P11803	-3	-28806	C1
P11804	-3	-28801	B1
P11813	-1	-28805	D1
P11815	-1	-28806	C2
▲ P11816	-5	▲ -28800	C1
LDW300P11819	-1	LDW300-28807	C1
LDW300-28800	-1-3	LDW340-53215	B5
▲ -28802	-1-1	LDW300-28806	C1
-28805	-3	LDW300-28806	D1
-28806	-1-3	LDW390-28056	D5
-28807	-1	LDW300-28806	B1
▲ -28811	-1	LDW300-28801	A1
LDW300-28812	-5	LDW300-28802	B1
LDW300-21804	-5	LDW300-28806	D1
LDW300-21809	-3	LDW300-28800	D1

▲ - USE APPLICABLE DASH NO. IN DESCRIPTION OF E.O.

6

DETAIL SPEC REQ	CL II ENGRG CHG	CL I ENGRG CHG

REASON FOR EO: UPDATE EFFECTIVITY

DESCRIPTION OF EO: FOR-▲ IN MOD. BLK. ADDED EFF. LEM-7(37) THRU LEM-15(45).

JSC (P) GAEC EO RELEASE: 9-8

MODEL	EFFECTIVITY: PROCURING ACTIVITY NO.	GAEC UNIT NO.	SUB CONTR UNIT NO.
LEM	NOTED	ABOVE	

DRAWING CHANGE REQD: REVISE DWG	RECORD EO	DISPOSITION OF PARTS: REWORK	SCRAP	APPROVED BY	DATE	RELIAB. GROUP	GROUP LEADER	STRESS GROUP	LIAISON ENGRG	PROJ ENGRG	SQVT
✓		NOT	REQ'D	[illegible]	8-17-66	9/12/66	9/15	8/17/66	9-7	9-3	8-18-66

PRIORITY	DRAWING TITLE	DRAWING NO.	EO NO.
C	SEE DWG.	LEO 300	19

ISSUED BY FRANK PEPE x1671 8/12/66 SECTION GN&C GROUP NO. 300 PL 35

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NAS 9-1100

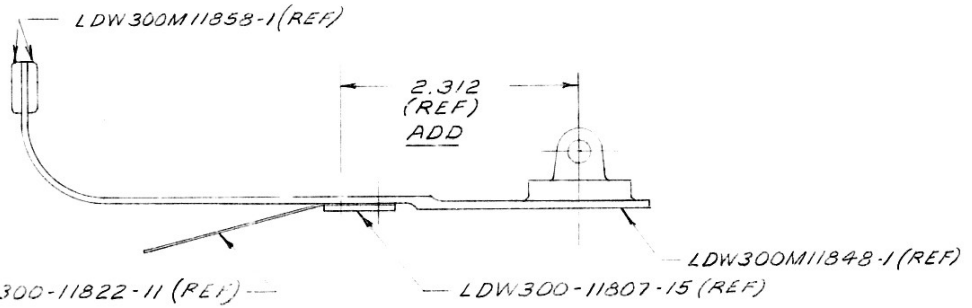
GRUMMAN AIRCRAFT ENGINEERING CORP.
CODE IDENT NO. 26512

ENG 32.1 REV 3-65

ENGINEERING ORDER

DWG NO. LDW300-21809		EO NO. B V
CONTROL INFO NO. LDW300-265		

LDW300-21809-1&-3



b

DETAIL SPEC REQ		CL II ENGRG CHG		CL I ENGRG CHG	

REASON FOR EO	DESCRIPTION OF EO	GAEC EO RELEASE
TO CLARIFY ASSY.	ON-1&-3 ADDED 2.312(REF) DIM	12/16

MODEL	EFFECTIVITY: PROCURING ACTIVITY NO.	EFFECTIVITY: GAEC UNIT NO.	EFFECTIVITY: SUB CONTR UNIT NO.	DRAWING CHANGE REQD: REVISE DWG	DRAWING CHANGE REQD: RECORD EO	DISPOSITION OF PARTS: REWORK	DISPOSITION OF PARTS: SCRAP	APPROVED BY	DATE	SUPPORT	RELIAB. GROUP	GROUP LEADER	STRESS GROUP	LIAISON ENGRG	PROJ ENGRG	GOVT
				✓		NOT	REQD									
LM	NOT REQD						CUT 6		12-13-66							

PRIORITY	DRAWING TITLE	DRAWING NO.	EO NO.
E	HANDLE ASSY TRANSLATION CONT-MODE CHANGER	LDW300-21809	B V

ISSUED BY G. KAMMERER X1671 12-12-66 SECTION GN&C GROUP NO. 300 PL 35

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NAS 9-1100